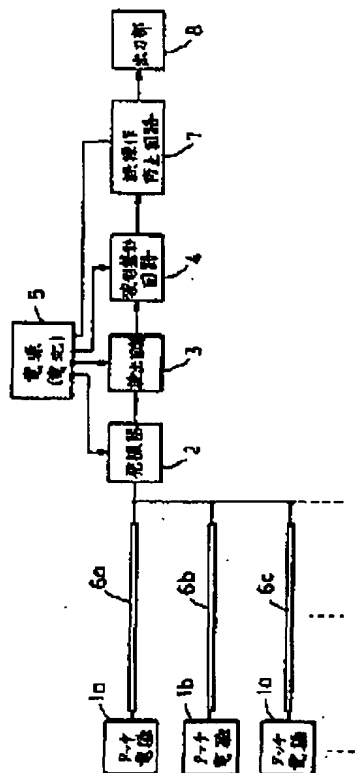




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Family Lookup

JP04140916 OSCILLATION TYPE TOUCH SWITCH KEAKOMU:KK

Inventor(s): SHIBATA KENJI

Application No. 02263663 , Filed 19901001 , Published 19920514

Abstract:

PURPOSE: To easily apply the touch switch to an application in which its sensing part is to be very small in size by changing the oscillation amplitude of an oscillation circuit depending only on a change in the static capacitance of a touch electrode.

CONSTITUTION: A touch electrode 1a is formed to be a cylinder whose tip corner is rounded, and a vinyl coated multi-core copper wire is used for a lead wire 6a. A lead wire 6b whose vinyl coat is peeled off at its tip is used for a touch electrode 1b. A small metallic chip adhered on the surface of a

skin of the lid of a human body or the like is used for a contact piece with which the touch electrode 1b at the tip of the lead wire 6b is in contact. When the human body is not in contact with the electrodes 1a, 1b, this circuit keeps oscillation an AC signal stably and the output signal is detected by a detection circuit 3. The obtained DC voltage is inputted to a waveform shaping circuit 4, in which the voltage is waveform-shaped as an H level when the level is over the threshold level and as an L level when below the threshold level and the level is at H in the standby state. When the human body is in contact with the electrode 1a or 1b on the other hand, the static capacitance of the human body.

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Int'l Class: H03K01796

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